

SECTION 1010
GRASS SODDING

1010 GENERAL

Work under this section consists of preparing all areas for grass sodding indicated on the plans furnishing and installing all sod, fertilizer and soil amendments in accordance with the plans and specifications or as authorized by the ENGINEER.

1010.2 REFERENCES

1010.3 MATERIALS

1010.3.1 GRASS SOD:

1010.3.1.1 Sod shall be a mixture of Olympic or falcon tall fescue and bluegrass unless otherwise specified on the plans. A sample of sod and a written submittal of the seed mix shall be submitted a minimum of 30 days prior to laying of sod. It shall be vigorous, well-rooted healthy turf free from disease, insect pests, weeds, other grasses, stones, and other harmful or deleterious matter.

1010.3.1.2 Sod shall be a cut by an approved mechanical sod cutter to a thickness of not more than 1 3/4 inch, or less than 1 1/2 inch. Sod pieces shall be cut a maximum of 19 inches wide. Handling of sod shall be done in a manner that will prevent tearing, breaking, drying, or any other damage. Sod shall be installed in place on the site not more than 24 hours after cutting.

1010.3.2 FERTILIZER: Fertilizer shall be a granular from starter fertilizer with a guaranteed analysis of 18-24-16.

1010.3.3 ORGANIC AMENDMENTS: Organic amendment shall consist of well aged screened bark fines from coniferous trees as available from Western Agricultural Products Co., or approved equal. Material shall be 1/2" minus with 90% passing a 1/4" screen. Amendment pH shall not exceed 6.5. Salinity shall not exceed 1.5 mnhos/cm. Percentage of organic matter shall not be less than 80% tested by simple combustion.

1010.4 SODDING OPERATION:

1010.4.1 PREPARATION: Prior to start of soil preparation all finish grades shall be established and approved as meeting the requirements of the grading plan. Apply a uniform one inch layer (3 C.Y./1000 square feet) of organic amendment and 4 lbs. of starter fertilizer per each 1000 square feet to the entire area to be sodded. After application of organic amendment and starter fertilizer all areas to be sodded shall be thoroughly rototilled to a minimum depth of 6 inches. After rototilling is

complete at cross directions, drag to an even grade, then roll for firmness.

1010.4.2 INSTALLATION:

1010.4.2.1 Before laying sod, the finish grade shall be brought to a firm, even surface, free from stones or lumps, in excess of one inch diameter, and shaped to provide drainage. The finish grade shall be inspected and approved by the ENGINEER prior to laying any sod.

1010.4.2.2 Lay sod over moistened soil lightly raking the soil ahead of each sod strip. Sod shall be laid across the slope with staggered joints. Pieces shall be fitted together tightly so that no joint is visible, and sod tamped firmly and evenly by hand. After all the sodding has been laid it shall be rolled with a hand roller.

1010.4.2.3 Water all sodded areas immediately after final rolling with a fine spray to a depth of 4 inches. Irrigate by means of the automatic underground irrigation system all sodded areas as often as necessary to promote healthy grass growth until a thick, even stand of grass has been obtained.

1010.4.2.4 Mow the lawn when the grass is over 2 inches tall, keeping lawn mower blades minimum 2 inches high for the first cutting.

1010.4.3 PROTECTION AND MAINTENANCE: Protection and maintenance shall continue for thirty days, or until the entire landscape project is accepted. Sod shall be maintained at a height of 2". The maximum height between cuttings shall not exceed 3". Final acceptance shall only occur after all sod is well rooted.

1010.4.3.1 WATER: The CONTRACTOR shall be responsible for the cost of water during the installation and maintenance of sod until final acceptance.

1010.5 INSPECTIONS:

1010.5.1 The following inspections shall be the minimum required inspections during the course of construction. Additional inspections shall be made any time at the discretion of the ENGINEER or OWNER.

1010.5.2 It shall be the responsibility of the CONTRACTOR to notify the ENGINEER in writing, 48 hours in advance of each required inspection.

1010.5.3 The sequence of required inspections shall not be changed from the sequence listed below. The CONTRACTOR shall not proceed with work of the next sequence without written approval of the

work of the previous sequence. Payment will not be approved for items which have not been inspected and approved in writing.

1010.5.3.1 Automatic irrigation system, if required, shall be installed, tested, and approved.

1010.5.3.2 Each phase of soil preparation shall be inspected in process.

1010.5.3.3 Finish grade shall be inspected.

1010.5.3.4 Sod shall be inspected prior to laying.

1010.5.3.5 Sod shall be inspected after completion.

1010.5.3.6 Sod shall be inspected at end of maintenance period.

1010.5.3.7 Final inspection of the project and acceptance.

1010.5.3.8 Sod shall be inspected 12 months after completion.

1010.6 MEASUREMENT AND PAYMENT:

1010.6.1 MEASUREMENT: The measurement of grass sodding shall be by the square foot or square yard as indicated in the bid proposal.

1010.6.2 PAYMENT: Payment shall be made at the contract unit price per square foot or square yard for grass sodding complete in place, which shall include all material, equipment and labor required in preparation, final grading and fertilizing the area to be sodded, sod, sod placement, watering and maintenance as specified herein.